



J&L Storm Water Outfalls 3 & 4 Quarterly Inspection Checklist

General Information				
Date of Inspection	3/26/2014	Time	9am-11am	
Weather Condition (overcast, wind, temperature, rain, etc) Sunny, temp in mid-20's				
Has it rained or snow in last 2-3 days? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ½ inch snow on 3/25				
Figure 1 is an aerial overview of the J&L Inspection Area				
	OUTFALL 3		OUTFALL 4	
Is the outfall gate or valve open at the time of inspection?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Fig 2/Photo 1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
What is the water level at the western or eastern ditches?	<input checked="" type="checkbox"/> High <input type="checkbox"/> Medium <input type="checkbox"/> Low	See Fig 2/Photo 2	Read the level off the gauge	3.75 ft on S end of ditch near road 3.60 at metal bridge See Fig 2/Photo 3
Is the gate or valve flooded, overflowed, bypassed? If yes, explain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If Yes, Please Explain Water is frozen	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If Yes, Please Explain Water is frozen
Is the ISCO flow control panel registering data? (light flashing and digital flow reading visible)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Battery is dead	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	0 gpm
Are there any discharges at the time of inspection? If NO, Continue on to next section	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, Please Explain Ice covered; couldn't see actual flow See Fig 3/Photo 4	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If Yes, Please Explain See Fig 3/Photo 5
Does the discharge have color, visible oil sheen?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA (no discharge)		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA (no discharge)	See Fig 4/Photo 6
Does the discharge have turbidity, foam, solids, and floatable?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA (no discharge)		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA (no discharge)	
Does the discharge have odor?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA (no discharge)		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA (no discharge)	



Document Level: 4
 Document Number: EF2001.1

**BP Whiting Business Unit
 Manual of Environmental Procedures**

Document Review Date: 06/03/2013
 Document Revision Date: 06/03/2013
 Document Revision #: 1

Other observation or recommendations? (i.e. housekeeping concerns)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	At N end of W Ditch, there is water leaking into the ditch, potentially from the tank dike to the N See Fig 4/Photo 7	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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Inspection Summary (any immediate action needed):	
One action item: replace dead battery for the ISCO flow control at Outfall #3. Action item completed on April 8, 2014.	
Inspector	Name: Ron Short / Leigh Neace-Coffey Title: Environmental Waste Management Coordinator / Geologist Contact: Channel 42 / 219-473-2432

Note:

1. This inspection checklist is created by BP Whiting Business Unit under NPDES permit.
2. The checklist is for internal use and BP's self-inspection.
3. The goal is to ensure that the storm water discharge meet NPDES requirement.
4. Please return inspection sheet to the Environmental Dept. Water SME, OMD CAS and OMD COS and
5. Review any actions needed with OMD.
6. OMD to provide any work order numbers and follow up.
7. Environmental Dept will enter any KMS action items as needed and keep documentation.

REVISION HISTORY

Revision Level	Description of Change(s)	Author	Date

Authored by:

Approved by:

Date:



Document Level: 4
 Document Number: EF2001.2

BP Whiting Business Unit
 Manual of Environmental Procedures

Document Review Date: 06/03/2013
 Document Revision Date: 06/03/2013
 Document Revision #: 1

J&L and Lake George Areas Quarterly Inspection Checklist

General Information			
Inspection Sites to review : J&L and Lake George General Area			
Date of Inspection	3/26/2014	Time	9am-11am
Weather Condition (overcast, wind, temperature, rain, etc)		Sunny, mid 20's	
Has it rained or snow in last 2-3 days? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide approximate rainfall depth: ½ inch of snow on 3/25/2014			
Storm Water Pollution		Remarks	
Is tracking evident on refinery roads or going out of any gates?	__Yes <input checked="" type="checkbox"/> No		
Are there any unprotected stock piles? Explain. *Note: stockpiles must be protected within two weeks per SWPPP	__Yes <input checked="" type="checkbox"/> No		
Are there any material storage containers that do not have secondary containment or are not on a concreted pad area?	__Yes <input checked="" type="checkbox"/> No		
Are the Containers labeled properly with name of contents?	__Yes __No		
Is the secondary containment well maintained?	__Yes __No		
Is there evidence of equipment that is stored without the necessary protection (i.e. uncovered machinery under maintenance, compressors or nurse tanks without containment, etc)?	__Yes <input checked="" type="checkbox"/> No		
Is there evidence of pollution entering any process sewer drains or drainage ditches?	__Yes <input checked="" type="checkbox"/> No		
Are there any roads that need repair that are causing offsite tracking and/or flooding?	__Yes <input checked="" type="checkbox"/> No		
Is there evidence of flooding? Where?	__Yes <input checked="" type="checkbox"/> No		
If so, is there sheen on the surface?	__Yes __No		



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Is there evidence of storm water or pollution leaving the perimeter or property boundary?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there evidence of storm water or pollution entering the area from offsite?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there sheen or foam on the canal surface? Explain	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Fig 4/Photo 6
Are the west side detention pond, pond's berm, sluice gate outlet structure, and the rock dam in the west detention area in good condition?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water is frozen at outlet structure. Dead vegetative debris may impair flow. See Fig 5/Photo 8
Is the east side detention basin in good condition? Does it require maintenance?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is the diversion dike along upper crest of highlands diverting water to the west detention area in good condition? Are five (5) rock check dams in good condition? Are there any unmanaged erosive flows down the steep section of the dike?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	See Fig 5/Photos 9 & 10
Is the west detention basin outlet structure in good condition? Is it free of oil and debris? Does it drain the water properly?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water is frozen; free of debris See Fig 6/Photo 11
Are the two sheet pile weirs in the southern section of the west ditch in good condition? Are they free of oil and debris? Do they maintain the water level properly?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Vegetative debris near weirs may impair flow.
Is the sheet pile weir in the northern section of the west ditch, north of the tank dikes in good condition? Is it free of oil and debris? Does it maintain the water level properly?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Fig 6/Photo 12
Other observation or recommendations? (i.e. housekeeping concerns)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Gravel in ditch between Cline Ave and J&L Tank Field is impairing flow in two places. See Fig 1 & Fig 7/Photos 13 & 14
Updating Current SP3		
Are there any additional storm water discharges not approved? (check with Environmental Specialist)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	



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Is there evidence of improperly remediated spills? Note: Spills must be cleaned up within 72 hours of findings, per plan.		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Inspection Summary and Any Immediate Action Needed			
<p>Action items:</p> <ol style="list-style-type: none"> 1. Remove dead vegetative debris at the west ditch outlet structure (see Fig 5/Photo 8) and the sheet pile weirs in the southern section of the west ditch. 2. Remove gravel that is in the ditch between Cline Ave and J&L Tank Field at 2 locations. Restore ditch to original condition. See Fig 7/Photos 13 & 14 <p>Action item #1 was completed on April 22, 2014. Action item # 2 was completed on May 7, 2014.</p>			
Inspector	<p>Name: Ron Short / Leigh Neace-Coffey</p> <p>Title: Environmental Waste Management Coordinator / Geologist</p> <p>Contact: BP Radio # 2825 / 219-473-2432</p>		

Note:

1. This inspection checklist is created by BP Whiting Business Unit under NPDES permit.
2. The checklist is for internal use and BP's self-inspection.
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REVISION HISTORY

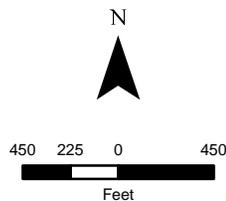
Revision Level	Description of Change(s)	Author	Date
0	Initial Issue – Original SWPPP 10/20/2008	Rose Herrera	10/20/2008
1	Revised form to new name (formerly General Refinery Visual Inspection Checklist) Changes to checklist reflect applicability to J&L and Lake George Areas; reflects new forms based on updated November 2012 SWPPP and incorporates new formatting	Patricia Peterson	05/31/2013

Authored by:
Date:

Approved by:



● Gravel in drainage ditch is impairing the flow of water



URS 100 South Wacker Drive Suite 500
Chicago, Illinois 60606



BP WHITING REFINERY
STORMWATER INSPECTION
OUTFALL #3 & OUTFALL #4

BP WHITING REFINERY
WHITING, INDIANA

DATE	ISSUE	FIGURE
DATE	ISSUE	1
DATE	ISSUE	
DRAWN	CHECKED	APPROVED
L.Neace-Coffey	T.Black	
		DATE
		4/1/14
FILENAME: C:\PROJECTS\BP\AREA2\STORMWATER INSPECTION\2014\1st QUARTER\FIG1.MXD		



Photo #1
Outfall #3 Gate



Photo #2
Water level at bridge at West Ditch
Water is frozen North of the bridge



Photo #3
Water level at East Ditch
Water is frozen

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		BP WHITING REFINERY	
		STORMWATER INSPECTION OUTFALL #3 & OUTFALL #4	
DATE --	ISSUE --	FIGURE	
DATE --	ISSUE --	2	
DATE --	ISSUE --		
DRAWN	CHECKED	APPROVED	DATE
LNeace-Coffey	TBlack	--	3/31/14
FILENAME: C:\PROJECTS\BP\AREA2\STORMWATER INSPECTION\2014\1st QUARTER\FIG2.MXD			



Photo #4
 Outfall #3 discharge
 Water is frozen



Photo #5
 Outfall #4 discharge
 Water is frozen

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BP WHITING REFINERY
STORMWATER INSPECTION
OUTFALL #3 & OUTFALL #4

DATE --	ISSUE --	FIGURE
DATE --	ISSUE --	3
DATE --	ISSUE --	
DRAWN LNeace-Coffey	CHECKED TBlack	APPROVED DATE 3/31/14
<small>FILENAME: C:\PROJECTS\BP\AREA2\STORMWATER INSPECTION 2014\1st QUARTER\FIG3.MXD</small>		

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Photo #6
Outfall #4 discharge point into canal



Photo #7
North end of West Ditch
Water leaking into ditch

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		BP WHITING REFINERY STORMWATER INSPECTION OUTFALL #3 & OUTFALL #4	
DATE		ISSUE	FIGURE
DATE	ISSUE	4	
DATE	ISSUE		
DRAWN	CHECKED	APPROVED	DATE
LNeace-Coffey	TBlack	--	3/31/14
<small>FILENAME: C:\PROJECTS\BP\AREA2\STORMWATER INSPECTION\2014\1st QUARTER\FIG4.MXD</small>			



Photo #8
West detention outlet structure
Water is frozen



Photo #9
Rock check dam



Photo #10
Rock check dams

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BP WHITING REFINERY
STORMWATER INSPECTION
OUTFALL #3 & OUTFALL #4

DATE	--	ISSUE	--	FIGURE	5
DATE	--	ISSUE	--		
DATE	--	ISSUE	--		
DRAWN	LNeace-Coffey	CHECKED	TBlack	APPROVED	DATE
					4/1/14
FILENAME: C:\PROJECTS\BP\AREA2\STORMWATER INSPECTION\2014\1st QUARTER\FIGS.MXD					

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WHITING, INDIANA



Photo #11
 West detention outlet structure
 Water is frozen



Photo #12
 Sheet pile weir in ditch South of Cline Ave
 and North of the tank dikes

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		BP WHITING REFINERY STORMWATER INSPECTION OUTFALL #3 & OUTFALL #4	
DATE		ISSUE	FIGURE
DATE	ISSUE	6	
DATE	ISSUE		
DRAWN	CHECKED	APPROVED	DATE
LNeace-Coffey	TBlack	--	4/1/14
FILENAME: C:\PROJECTS\BP\AREA2\STORMWATER INSPECTION 2014\1st QUARTER\FIG6.MXD			



Photo #13
Gravel in ditch South of Cline Ave
and North of the tank 3912



Photo #14
Gravel in ditch South of Cline Ave
and North of the tank 3920

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		BP WHITING REFINERY	
		STORMWATER INSPECTION OUTFALL #3 & OUTFALL #4	
DATE --	ISSUE --	FIGURE	
DATE --	ISSUE --	7	
DATE --	ISSUE --		
DRAWN	CHECKED	APPROVED	DATE
LNeace-Coffey	TBlack	--	3/31/14
<small>FILENAME: C:\PROJECTS\BP\AREA2\STORMWATER INSPECTION 2014\1st QUARTER\FIG7.MXD</small>			